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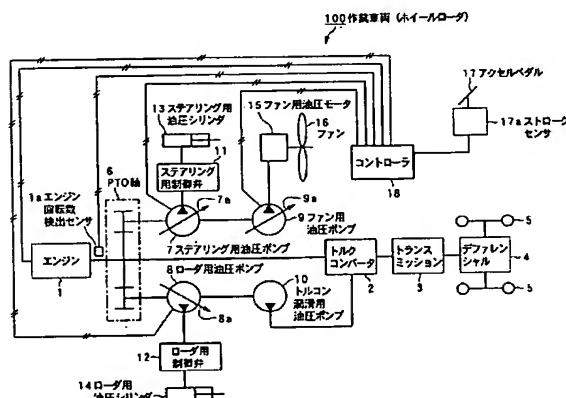
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[統葉有]

(54) Title: LOAD CONTROLLER FOR ENGINE OF WORK VEHICLE

(54) 発明の名称: 作業車両のエンジンの負荷制御装置



- 100 WORK VEHICLE (WHEEL LOADER)
- 73 HYDRAULIC CYLINDER FOR STEERING
- 15 HYDRAULIC MOTOR FOR FAN
- 16 FAN
- 6 PTO SHAFT
- 11 CONTROL VALVE FOR STEERING
- 9 HYDRAULIC PUMP FOR FAN
- 7 HYDRAULIC PUMP FOR STEERING
- 8 CONTROLLER
- 17 ACCELERATOR PEDAL
- 17a STROKE SENSOR
- 1a ENGINE ROTATIONAL SPEED DETECTION SENSOR
- 1 ENGINE
- 8 HYDRAULIC PUMP FOR LOADER
- 10 HYDRAULIC PUMP FOR LUBRICATING TORQUE CONVERTER
- 2 TORQUE CONVERTER
- 3 TRANSMISSION
- 4 DIFFERENTIAL
- 12 CONTROL VALVE FOR LOADER
- 14 HYDRAULIC CYLINDER FOR LOADER

(57) Abstract: A load controller for the engine of a work vehicle capable of preventing the engine from being stopped when the rise of the torque of the engine cannot follow up the abrupt rise of hydraulic pressure load. The work vehicle comprises the engine (1) in which a target rotational speed is set between a low idle rotational speed and a high idle rotational speed, a plurality of variable displacement hydraulic pumps (7, 8, 9) driven by the engine (1), a plurality of hydraulic actuators (13, 14, 15) to which hydraulic oil discharged from the plurality of variable displacement hydraulic pumps (7, 8, 9) is supplied, absorbed torque changing means (19, 22, 23) changing absorbed torques for one or more of the variable displacement hydraulic pumps (7, 8, 9), a rotational speed detection means (1a) detecting the rotational speed of the engine, and a control means (18) lowering the absorbed torques of the variable displacement hydraulic pumps (7, 8, 9) when the detected rotational speed of the engine is lowered to a specified threshold or below.

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